

M 7.6, Mindanao, Philippines

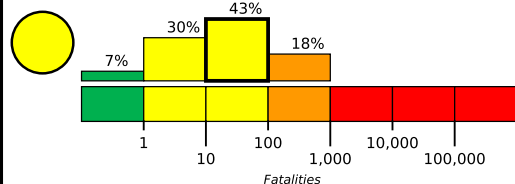
Origin Time: 2023-12-02 14:37:03 UTC (Sat 22:37:03 local)

Location: 8.5266° N 126.4487° E Depth: 32.8 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 2 hours, 4 minutes after earthquake

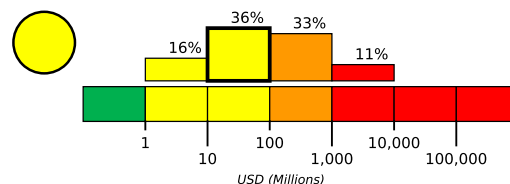
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Philippines.

Estimated Economic Losses

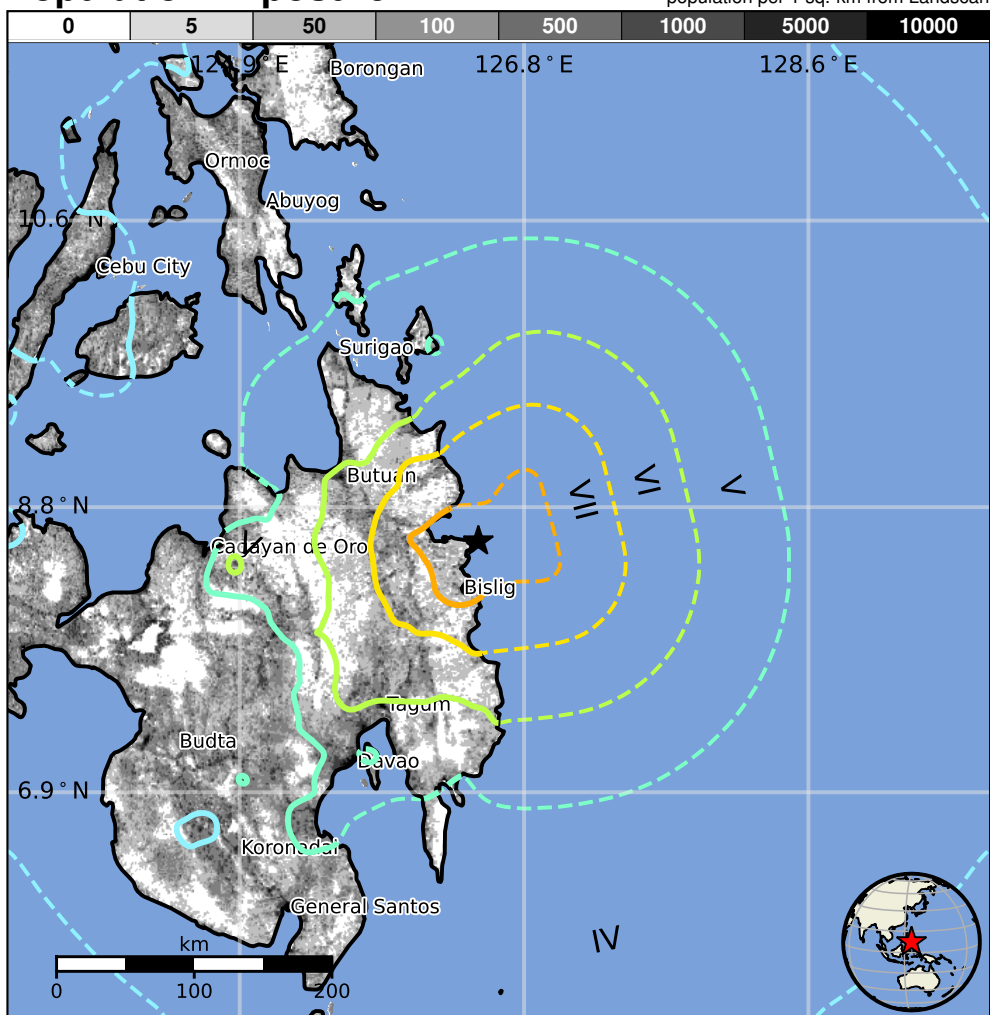


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	5,919k*	19,017k	5,721k	1,985k	750k	328k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1975-03-10	290	5.2	VII(4k)	0
1989-12-15	31	7.5	VIII(1k)	2
2002-03-05	372	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as tsunamis and landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VIII	Gamut	3k
VIII	Unidad	3k
VIII	Bislig	68k
VIII	Tidman	3k
VIII	Bigaan	3k
VIII	Loyola	3k
VI	Butuan	310k
V	Davao	1,213k
IV	Cagayan de Oro	445k
IV	Pagadian	187k
III	Cebu City	799k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000lff4#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000lff4